PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Rolf Kaiser et al.

Serial No.: 09/900,230   Group Art Unit: 2218

Filing Date: July 6, 2001   Examiner: Not Yet Assigned

For: SYSTEM AND METHODS FOR THE AUTOMATIC TRANSMISSION OF
        NEW, HIGH AFFINITY MEDIA

DATE OF DEPOSIT: _10/9/01_____

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TYPED NAME: Thomas E. Watson
REGISTRATION NO.: 43,243

Assistant Commissioner for Patents
Washington DC 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

☒   In accordance with §1.97(b), since this Information Disclosure Statement is being

filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

☐   In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:

         ☐   . Certification in Accordance with §1.97(e) is attached; or

         ☐   The fee of **$180.00** as set forth in §1.17(p) is attached.

☐   In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:

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☐   In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of **$180.00** as set forth in §1.17(p).

☐   Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☒   Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

         ☒   In view of the voluminous nature of references **AW**, and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

☐   In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C.§120 have been made in the instant application:

☐   Copies of references **[list as appropriate]** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No.   , filed   .

    ☐   If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

English language abstracts have been provided for those listed references which are not in the English language.

Date: 10/9/01

                                         Thomas E. Watson
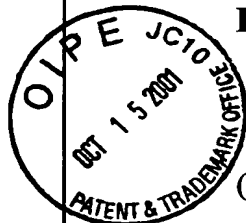   Registration No. **43,243**

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

Form PTO-1449 Modified	Docket No. MSFT-0577/167503.2	Serial No. 09/900,230
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant **Rolf Kaiser et al.**	
U.S. Department of Commerce Patent and Trademark Office	Filing Date **July 6, 2001**	Group **2218**

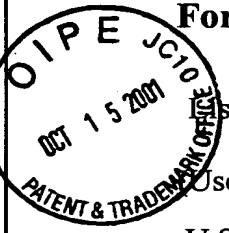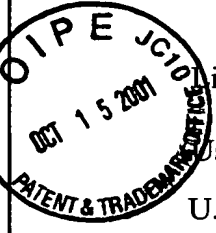|		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	AA	Boneh, D. et al., "Collusion-secure fingerprinting for digital data," *IEEE Trans. Information Theory*, **1998**, *44(5)*, 1897-1905
	AB	Bresin, R. et al., "Synthesis and decoding of emotionally expressive music performance," *IEEE SMC'99 Conference Proceedings. 1999 IEEE Int'l Conf. On Systems, Man, and Cybernetics*, **1999**, *Vol. 4*, 317-322
	AC	Camurri, A. et al., "Multi-Paradigm Software Environment for the Real-Time Processing of Sound, Music and Multimedia," *Knowledge-Based Systems*, **1994**, *7(2)*, 114-126
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	AF	Cohen, W.W. et al., "Web-collaborative filtering: recommending music by crawling the Web," *Comp. Networks-Int. J. Comp. Telecomm. Networking*, **2000**, *33(1-6)*, 685-698
	AG	Craner, P.M., "New tool for an ancient art - the computer and music," *Comput. Humanities*, **1991**, *25(5)*, 303-313
	AH	DeRoure, D.C. et al., "Content-based navigation of music using melodic pitch contours," *Multimedia Systems*, **2000**, *8(3)*, 190-200
	AI	Gentner, T.Q. et al., "Perceptual classification based on the component structure of song in European starlings," *J. Acoustical Soc. Am.*, June, **2000**, *107(6)*, 3369-3381
	AJ	Goldman, C.V. et al., "NetNeg: A connectionist-agent integrated system for representing musical knowledge," *Annals. Math. Artifical Intelligence*, **1999**, *25(1-2)*, 69-90

EXAMINER	DATE CONSIDERED

Form PTO-1449 Modified Group 2100	Docket No. **MSFT-0577/167503.2**	Serial No. **09/900,230**
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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	AK	Hori, T. et al., "Automatic music score recognition/play system based on decision based neural network," *1999 IEEE Third Workshop on Multimedia Signal Processing,* Ostermann, J. et al. (eds.), **1999**, 183-184
	AL	Kieckhefer, E. et al., "A computer program for sequencing and presenting complex sounds for auditory neuroimaging studies," *J. Neurosc. Methods,* August, **2000**, *101(1),* 43-48
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	AN	Krulwich, B., "Lifestyle finder - Intelligent user profiling using large-scale demographic data," *AI Magazine,* **1997,** *18(2sum),* 37-45
	AO	Li, D. et al., "Classification of general audio data for content-based retrieval," *Pattern Recogn. Letts.,* **2001,** *22(5),* 533-544
	AP	Liang, R.H. et al., "Impromptu Conductor - A Virtual Reality System for Music Generation Based on Supervised Learning," *Displays,* **1994,** *15(3),* 141-147
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	AS	Pirn, R., "Some Objective and Subjective Aspects of 3 Acoustically Variable Halls," *Appl. Acoustics,* **1992,** *35(3),* 221-231

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			OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		AT	Serra, A., "New solutions for the transmission of music. Possible methods in view of the reduction of the pass band," *Revista Espanola de Electronica*, July, **1976**, *23(260)*, 34-35 **(English language abstract attached)**
		AU	Smith, M.W.A., "A relational database for the study and quantification of tempo directions in music," *Comput. Humanities*, **1994**, *28(2)*, 107-116
		AV	Speiser, J.M. et al., "Signal processing computations using the generalized singular value decomposition," *Proceedings of SPIE - The Int'l Socity for Optical Engineering. Real Time Signal Processing VII*, Bellingham, WA, **1984**, 47-55
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		AX	Yoder, M.A. et al., "Using Multimedia and the Web to teach the theory of digital multimedia signals," *Proceedings. Frontiers in Education, 1995 25th Annual Conference. Engineering Education for the 21st Century, IEEE*, Budny, D. et al. (eds.), November 1-4, **1995**, *Vol. 2*, Atlanta, GA
		AY	Zhang, T. et al., "Audio content analysis for online audiovisual data segmentation and classification," *IEEE Trans. on Speech and Audio Processing*, May, **2001**, *9(4)*, 441-457
		AZ	Zhang, T. et al., "Heuristic approach for generic audio data segmentation and annotation," *Proceedings ACM Multimedia 99*, **1999**, 67-76
		BA	Pesavento, M. et al., "Unitary root music with a real-valued eigendecomposition: A theoretical and experimental performance study, *IEEE Trans. Signal Processing*, **2000**, 48(5), 1306-1314
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* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.